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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of

2

Complete if Known

Application Number	10/647,174
Filing Date	August 25, 2003
First Named Inventor	Zheng Zhang
Art Unit	1824
Examiner Name	N/A
Attorney Docket Number	571-872

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
[Signature]		US-5,624,875	04-29-1997	Nakanishi et al.	/
		US-6,531,060	03-11-2003	Nakanishi et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
[Signature]		EP 0363697 ✓	04-18-1990	Asahi Glass Company Ltd.		
		WO 01/58562 ✓	08-16-2001	University of South Florida		
		WO 98/29350 ✓	07-09-1998	Merck Patent GmbH		

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4/1/05

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Substitute for form 1449B/PTO		Complete if Known	
		Application Number	10/647,174
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	August 25, 2003
		First Named Inventor	Zheng Zhang
		Art Unit	1824
		Examiner Name	N/A
		Attorney Docket Number	571-872
Sheet	2	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
EJP	1.	CABRERA, K. et al., "SilicaROD™ - A new challenge in fast high-performance liquid chromatography separations", Trends in Analytical Chemistry, 1998, pp. 50-53, Vol. 17, No. 1.	✓
	2.	TANAKA, N. et al., "Monolithic Silica Columns for HPLC, Micro-HPLC, and CEC", J. High Resol. Chromatogr., 2000, pp. 111-116, Vol. 23, No. 1.	✓
	3.	ISHIZUKA, N. et al., "Preparation and Chromatographic Application of Macroporous Silicate in a Capillary", Journal of Sol-Gel Science and Technology, 2000, pp. 371-375, Vol. 19.	✓
	4.	MOTOKAWA, M. et al., "Monolithic silica columns with various skeleton sizes and through-pore sizes for capillary liquid chromatography", Journal of Chromatography A, 2002, pp. 53-63, Vol. 961.	✓
	5.	ISHIZUKA, N. et al., "Chromatographic characterization of macroporous monolithic silica prepared via sol-gel process", Colloids and Surfaces - A: Physicochemical and Engineering Aspects, 187-188, 2001, pp. 273-279.	✓
	6.	KANG, J. et al., "A silica monolithic column prepared by the sol-gel process for enantiomeric separation by capillary electrochromatography", Electrophoresis, 2002, pp. 1116-1120, Vol. 23.	✓
	7.	KIKUTA, K. et al., "Synthesis of Transparent Magadiite-Silica Hybrid Monoliths", Chem. Mater., 2002, pp. 3123-3127, Vol. 14.	✓
	8.	LEINWEBER, F. C. et al., "Characterization of Silica-Based Monoliths with Bimodal Pore Size Distribution", Anal. Chem., 2002, pp. 2470-2477, Vol. 74.	✓
	9.	NAKANISHI, K. et al., "Macropore Morphology Control of Silica Gel by Spinodal Decomposition", Chemical Processing of Advanced Materials, 1992, pp. 29-41	✓
	10.	NAKANISHI, K. et al., "Macropore Structure Design of Sol-Gel Derived Silica by Spinodal Decomposition", Porous Materials, 1993, pp. 51-60.	✓
	11.	GILL, I. et al., "Encapsulation of Biologicals within Silicate, Siloxane, and Hybrid Sol-Gel Polymers: An Efficient and Generic Approach", J. Am. Chem. Soc., 1998, pp. 8587-8598, Vol. 120.	✓
	12.	Gill, I., "Bio-doped Nanocomposite Polymers: Sol-Gel Bioencapsulates", Chem. Mater., 2001, pp. 3404-3421, Vol. 13.	✓
	13.	NAKANISHI, K. et al., "Synthesis of silica gel by polymer-mixed sol-gel method", Chem. Abstracts, AN. 118:259529, Shinsozal (1992), pp. 44-49, Vol. 3, No. 11.	✓
	14.	TANAKA, N. et al., "Octadecylsilylated porous silica rod for reversed-phase liquid chromatography", Chem. Abstracts, AN. 121:92756, Kuromatogurafi (1993), pp. 50-51, Vol. 14, No. 5.	✓

Examiner Signature	<i>K. H. P. EJP</i>	Date Considered	4/1/05
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